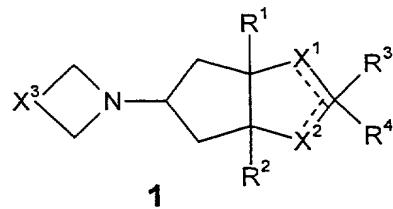


ABSTRACT

SUBSTITUTED BICYCLIC DERIVATIVES FOR TREATING CENTRAL NERVOUS SYSTEM  
DISORDERS

5 The present invention relates to compounds of the formula



and the pharmaceutically acceptable salts and solvates thereof wherein X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined herein. The invention also relates to pharmaceutical compositions containing the above compounds and to methods of treating schizophrenic and shizo-affective disorders, and related disorders which may be treated by administering 10 compounds having dopaminergic activity such as the above compounds of formula 1.